

#### ABSTRACT

A supply system for providing a suspension smelting furnace with constant and continuous feed is disclosed. the installation of the invention comprises intermediate storage bins for fine-grained feed, a feed rate controller for accurately controlling the feed rate of the fine-grained material, and a pneumatic conveyor for lifting the feed up to the top level of the suspension smelting furnace where the burner of the furnace is adapted. In the installation, the heavy constructions of the storage bins are located close to the ground level and the constructions around and on top of the furnace have been designed essentially lighter than in conventional solutions.